XR Series

1500
2000
2500
4000

BITTNER AUDIO

Intelligent Power

Stadia
Concert Halls
Cinemas
Live Theaters

New Horizons:

A lightweight with enormous power output. Combined with digital signal processing. That's what we call flexibility! Locally controlled or completely networked. No matter what the requirements are.

The integrated powerful digital signal processor (DSP) and controller allows for a troublefree and easy adjustment to any acoustical environment.

With wear-free digital potentiometers, sequential remote power on, alive contacts for easy supervision, computer controlled monitoring.

XR - the new definition of Intelligent Power.

- High Tech SMT Design
- Digital Signal Processor
- Excellent sound and superior impulse response
- Protection Circuits: DC, LF, HF, Thermal, Short Circuit, Current Limiter, 3 ms Muting Delay
- PHOENIX/Speakon
- High-End Switched Power Supply with Power Factor Correction
- LED Indicators for SIGNAL, CLIP, PROTECT, POWER
- Temperature controlled, variable speed low noise fans
- Digital wear-free Volume Controls (can be operated manually)
- Stereo/Bridged/Parallel Mode
- Softstart
- Sequential Remote Power On
- Alive Contact
- Paging Input
- Monitor Output
- RS-485 and I²C Dataport
- Perfect Weight-to-Power ratio
- 3 Years Warranty

Easy Connection

The NA-1 USB to RS-485 converter allows control and monitoring of Bittner XR amplifiers with Bittner´s DSP Software by a PC. No additional driver is needed. Galvanic isolation between the amplifiers and the PC provides potential-free signal transduction.

All Specifications Subject to Change Without Notice. All Specs at www.mediaspro.de
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Connectors and Controls of the rear panel

Audio Inputs	XLR with 1/4" mono jack (Neutrik Combo) Contact 8 to 12 of a 12-pin PHOENIX connector
Loudspeaker Outputs	SPEAKON and high current 4-pin PHOENIX connector
Alive Contacts	Contact 1 to 3 of a 12-pin PHOENIX connector. Function can be used as open or closed contact.
Volume Controls	2 digital potentiometers with 16 steps each: -90, -78, -66, -54, -42, -30, -24, -18, -15, -12, -9, -6, -3, -2, -1, 0 dB
Remote Power On	Contact 4 to 7 of a 12-pin PHOENIX connector. +12V switches the amp on, -12V switches it off. The incoming voltage is forwarded to the next amp after a delay to create a daisy chain.
DIP Switch with 8 switches	Switch 1 to 3: Sets the address of amp if connected to an SXL. Switch 1 to 6: Sets the address of amp if connected to RS485. Switch 7 to 8 set the mode of amplifier channels: STEREO, PARALLEL or BRIDGED
Dataport	15-pin Sub-D Connector
DSP Dataport	RS-485, 2 RJ-45 jacks (8-pin) paralleled 2 LEDs Rx and Tx
Power	Power switch, 230 V cord, fuse

DECLARATION OF CONFORMITY

We declare that this product is in accordance with EMC regulation 89/336/EEC and meets the requirements of the product norm EN-55013 (emission), and EN-55020 (immission).

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